

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-2 (cancelled)

Claim 3 (currently amended): A radio frequency band reject filter according to claim ~~1~~ 20, wherein the shunt and series acoustic resonators are each formed as an array of a plurality of serially and parallel connected resonators.

Claims 4-6 (cancelled)

Claim 7 (currently amended): A radio frequency band reject filter according to claim ~~2~~ 21, further including a high Q matching network arranged to reduce the apparent capacitance of the filter outside the reject frequency band.

Claims 8-19 (cancelled)

Claim 20 (currently amended): ~~A filter according to claim 1,~~ A radio frequency band reject filter comprising a shunt acoustic resonator and a series acoustic resonator, the shunt resonator being arranged to resonate generally at the reject frequency band and the series resonator being arranged to anti-resonate generally at the reject frequency band,

wherein at least one of the acoustic resonators is an inter-digital transducer type device having resonant fingers and wherein the fingers are non-parallel.

Claim 21 (currently amended): ~~A radio frequency band reject filter according to claim 2,~~ comprising a plurality of shunt acoustic resonators each arranged to resonate generally at the reject frequency band and a plurality of series acoustic resonators each arranged to anti-resonate generally at the reject frequency band, the shunt and series acoustic resonators being arranged in a ladder configuration,

wherein the plurality of series acoustic resonators includes a plurality of series connected SAW resonators formed on a common substrate, each SAW resonator sharing an input bus bar or output bus bar with an adjacent SAW ~~resonators~~ resonator in the series.

Claim 22 (currently amended): A radio frequency band reject filter ~~according to claim 2,~~ comprising a plurality of shunt acoustic resonators each arranged to resonate generally at the reject frequency band and a plurality of series acoustic resonators each arranged to anti-resonate generally at the reject frequency band, the shunt and series acoustic resonators being arranged in a ladder configuration,

wherein the plurality of shunt acoustic resonators includes a plurality of SAW transducers formed on a common substrate, each SAW transducer being coupled in series with the fingers of one transducer feeding via a transition zone into the fingers of the next transducer in series, the transition zones each being formed as a plurality of nonparallel elongate conductors formed on the substrate and extending between the fingers of each successive transducer in the series, and the first and last transducer in series being coupled to an input and output bus bar respectively.

Claim 23 (currently amended): ~~A power amplifier according to claim 8~~ A base station power amplifier for a cellular radio network, the power amplifier including at least one inter-stage band reject filter comprising a shunt acoustic resonator and a series acoustic resonator, the shunt acoustic resonator being arranged to resonate generally at the reject frequency band and the series acoustic resonator being arranged to anti-resonate generally at the reject frequency band,

wherein the series acoustic resonator includes a plurality of series connected SAW resonators formed on a common substrate, each SAW resonator sharing an input bus bar or output bus bar with an adjacent SAW ~~resonators~~ resonator in the series.

Claim 24 (currently amended): A base station power amplifier according to claim 8 23, wherein the shunt acoustic resonator includes a plurality of SAW transducers formed on a common substrate, each SAW transducer being coupled in series with the fingers of one transducer feeding via a transition zone into the fingers of the next transducer in series, the transition zones

each being formed as a plurality of nonparallel elongate conductors formed on the substrate and extending between the fingers of each successive transducer in the series of SAW transducers, and the first and last transducer in series being coupled to an input and output bus bar respectively.

Claim 25 (currently amended): ~~A filter according to claim 8, wherein at least one of the acoustic resonators is an inter-digital transducer type device having resonant fingers and wherein the fingers are non-parallel~~ A base station power amplifier for a cellular radio network, the power amplifier including at least one inter-stage band reject filter comprising the filter of claim 20.

Claim 26 (currently amended): ~~A duplexer according to claim 12, A duplexer for a mobile telephone handset including the radio frequency band reject filter of claim 21, wherein the plurality of shunt acoustic resonator resonators includes a plurality of other series connected SAW resonators formed on a common substrate, each other series connected SAW resonator sharing an input bus bar or output bus bar with an adjacent other series connected SAW resonators resonator in the other series.~~

Claim 27 (currently amended): ~~A duplexer according to claim 12, A duplexer for a mobile telephone handset including a radio frequency band reject filter comprising a shunt acoustic resonator and a series acoustic resonator, the shunt acoustic resonator being arranged to resonate generally at the reject frequency band and the series acoustic resonator being arranged to anti-resonate generally at the reject frequency band,~~

wherein the shunt acoustic resonator includes a plurality of SAW transducers formed on a common substrate, each SAW transducer being coupled in series with the fingers of one transducer feeding via a transition zone into the fingers of the next transducer in series, the transition zones each being formed as a plurality of nonparallel elongate conductors formed on the substrate and extending between the fingers of each successive transducer in the series, and the first and last transducer in series being coupled to an input and output bus bar respectively.

Claim 28 (currently amended): ~~A filter according to claim 12, wherein at least one of the acoustic resonators is an inter-digital transducer type device having resonant fingers and wherein the fingers are non-parallel~~ A duplexer for a mobile telephone handset including the radio

frequency band reject filter of claim 20.

Claim 29 (currently amended): A low noise amplifier input stage comprising the radio frequency band reject filter of claim 21 ~~according to claim 16~~, wherein the plurality of shunt acoustic resonator resonators includes a plurality of other series connected SAW resonators formed on a common substrate, each other series connected SAW resonator sharing an input bus bar or output bus bar with an adjacent other series connected SAW resonators resonator in the other series.

Claim 30 (currently amended) ~~A low noise amplifier input stage according to claim 16, A low noise amplifier input stage including a band reject filter comprising a shunt acoustic resonator and a series acoustic resonator, the shunt acoustic resonator being arranged to resonate generally at the reject frequency band and the series acoustic resonator being arranged to anti-resonate generally at the reject frequency band, wherein the resonators are arranged such that there is substantially no acoustic resonance over a predetermined pass band, and~~

wherein the shunt acoustic resonator includes a plurality of SAW transducers formed on a common substrate, each SAW transducer being coupled in series with the fingers of one transducer feeding via a transition zone into the fingers of the next transducer in series, the transition zones each being formed as a plurality of nonparallel elongate conductors formed on the substrate and extending between the fingers of each successive transducer in the series, the first and last transducer in series being coupled to an input and output bus bar respectively.

Claim 31 (currently amended): ~~A filter according to claim 16, wherein the at least one acoustic resonators is an inter-digital transducer type device having resonant fingers and wherein the fingers are non-parallel~~ A low noise amplifier input stage including the radio frequency band reject filter of claim 20.

Claim 32 (cancelled)

Claim 33 (cancelled)

Claim 34 (new): A radio frequency band reject filter according to claim 22, further including a high Q matching network arranged to reduce the apparent capacitance of the filter outside the reject frequency band.